

ASTRONOMICAL SOCIETY OF THE PACIFIC ABSTRACT

ABSTRACT – Lunar Sample Disks

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Title: (100 characters): Using Lunar Sample Disks and Resources to Promote Scientific Inquiry

Abstract (1000 characters):

This poster presentation will illustrate the use of NASA Lunar Sample Disks and resources to promote scientific inquiry and address the Next Generation Science Standards. The poster will present information on the Lunar Sample Disks, housed and managed by the Astromaterials Research and Exploration Science (ARES) Directorate at the NASA Johnson Space Center. The poster will also present information on an inquiry-based planetary sample and impact cratering unit designed to introduce students in grades 4-10 to the significance of studying the rocks, soils, and surfaces of a planetary world. The unit, consisting of many hands-on activities, provides context and background information to enhance the impact of the Lunar Sample Disks.

Outcomes: *describe what participants will take away from your workshop or paper; what new skills or techniques will they acquire; how will the community of practice in our field advance? (500 characters)*

Participants will take away both pedagogical and scientific knowledge. The resources presented in the poster will enable participants to see how they can utilize actual lunar samples along with hands-on activities to help students gain an understanding of the importance of current and future sample collection. Activities can be used in a formal or informal learning environment and can be extended to promote further investigations of lunar samples, surface features, or comparative planetology.